

### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### **Listing of Claims:**

Claims 1 to 17 are cancelled.

Claim 18 (New) In an apparatus for producing instantaneous live virtual surround sound broadcasting, including a microphone system having portable frame and at least five microphones including centre, left, right, left side and right side microphones, said microphones lying within a plane and mounted on said frame, each microphone having a diaphragm facing outwards, the diaphragms positioned on a non-circular generally elliptical figure when viewed in a direction perpendicular to said plane, the improvement wherein:

each microphone having an output,

- a sound processor having a plurality of inlets, an inlet for each of said outlets of said linear microphones;
- connection means connecting each of said at least five microphones to said inlets of said sound processor;
- said sound processor having two outlets, and
- connection means connecting said two outlets individually to two speakers.

Claim 19 (New) Apparatus as claimed in claim 18, said connection means connecting the outputs from the microphones to the sound processing means includes an interface, said interface including

amplification means.

- Claim 20 (New) Apparatus as claimed in claim 18, said connection means connecting the outputs from the microphones to said sound processing means comprising an interface, said interface including voltage control means.
- Claim 21 (New) Apparatus as claimed in claim 18, said microphone system further including top and bottom microphones.
- Claim 22 (New) Apparatus as claimed in claim 18, wherein said sound processing means is a "virtual surround" semiconductor chip.
- Claim 23 (New) Apparatus as claimed in claim 18, wherein said sound processing means is a DSP semiconductor.
- Claim 24 (New) Apparatus as claimed in claim 18, wherein said sound processing means is connectable with data processing means whereby "surround sound" is created mathematically.
- Claim 25 (New) Apparatus as claimed in claim 24, wherein said data processing means includes real time processing algorithms.
- Claim 26 (New) In a method of producing apparent multi-directional sound, the improvement comprising connecting individual outputs at least five microphones to individual inputs of a sound processing means, the microphones mounted on a portable frame, the microphones lying within a plane and each having a diaphragm facing outwards and with the diaphragms positioned in a non-circular generally elliptical figure mounted in a direction

perpendicular to said plane; and connecting two outputs from said sound processing means individually to two speakers.

- Claim 27 (New) In a method of producing instantaneous live virtual surround sound broadcasting, the improvement comprising connecting outputs individually from at least five microphones, including center, left, right, left side and right side microphones, to a plurality of separate individual inputs of a sound processing means, said center, left, right, left side, and right side, microphones mounted on a portable frame, the microphones lying in a plane and each having a diaphragm facing outwards in a non-circular generally elliptical figure when viewed in a direction perpendicular to said plane, connecting two outputs of said sound processing means individually to two speakers.
- Claim 28 (New) A method as claimed in 26, including connecting said outputs from said microphones to said sound processing means through an interface.
- Claim 29 (New) A method as claimed in claim 26, including variably controlling said inputs at said interface.
- Claim 30 (New) A method as claimed in claim 26, including amplifying said inputs at said interface.
- Claim 31 (New) A method as claimed in claim 27, including connecting said outputs from said microphones to said sound processing means through an interface.

**Claim 32** (New) A method as claimed in claim 27, including variably controlling said inputs at said interface.

**Claim 33** (New) A method as claimed in claim 27, including amplifying said inputs at said interface.